| • | Index of Claims |            |           |          |          |           |         |              |                            |       |              |           |          | A         | Application No. |             |           |       |         |            |          |            |                     | Applicant(s) |              |                 |           |         |              |          |
|---|-----------------|------------|-----------|----------|----------|-----------|---------|--------------|----------------------------|-------|--------------|-----------|----------|-----------|-----------------|-------------|-----------|-------|---------|------------|----------|------------|---------------------|--------------|--------------|-----------------|-----------|---------|--------------|----------|
|   |                 |            |           |          |          |           |         |              |                            |       |              |           |          | E         | Examiner        |             |           |       |         |            |          |            |                     | Art Unit     |              |                 |           |         |              |          |
|   |                 | Rej        | Rejected  |          |          | [-        |         | (Т           | Through numer<br>Cancelled |       |              | ral)      | ral)     |           | N               | Non-Elected |           |       |         | A          | Appeal   |            |                     | 7            |              |                 |           |         |              |          |
|   |                 |            | = Allowed |          |          |           | +       | + Restricted |                            |       |              |           |          |           | Interference    |             |           | ce    |         | 0          | Objected |            |                     |              |              |                 |           |         |              |          |
|   | Cla             | im         | Date      |          |          | <u> </u>  |         |              | ì                          | Claim |              |           |          | C         | ale             |             |           | a     |         | Cla        | aim      | Γ          | Date                |              |              |                 |           |         | 1            |          |
|   |                 |            | _         | Т        | П        |           | T       | Τ            | T                          | ĺ     |              |           | Т        | Т         | ΠĬ              | Ť           | Т         | Т     | 7       | 1          |          |            | $\Box$              | Т            | T            |                 | Т         | Т       | Τ            | Í        |
|   | Final           | ) Original | 8/12/03   |          |          |           |         |              |                            |       | Final        | Ortginal  |          |           |                 |             |           |       |         |            | Final    | Original   |                     | ·            | !            |                 |           |         |              |          |
|   |                 | (1)        | $\Box$    | $\Box$   | $\Box$   |           |         | Ι            |                            |       |              | 51        |          | I         |                 |             | 1         |       |         | ] [        |          | 101        |                     |              |              |                 | $\Box$    |         |              |          |
|   | $\vdash$        | 2          | 4         | +        | +        |           | +       | ╬            | ┼                          |       | -            | 52<br>53  |          | ╁         | $\vdash$        | $\dashv$    | +         | +     | +-      | <b>∤</b>   | _        | 102<br>103 | Н                   | +            | ┼~           | $\vdash \vdash$ | $\dashv$  | -       | +            | <b>{</b> |
|   |                 | 4          | $\neg$    | 十        | H        | $\vdash$  |         | †            | +                          |       |              | 54        | $\dashv$ | +-        | $\vdash$        | +           | +         | +     | +-      | 1 }        | -        | 104        | $\vdash$            | +            | +            | Н               | $\dashv$  | +       | ╁┈           | İ        |
|   |                 | 5          | $\Box$    | 二        | $\Box$   |           |         |              |                            |       |              | 55        |          |           |                 |             |           | 1     |         | 1 [        |          | 105        |                     |              |              |                 | #         | 上       |              |          |
|   |                 | 7          | 4         | -        | +        | Н         |         | ╀            | $\vdash$                   |       |              | 56<br>57  | +        | +         | $\vdash$        | 4           | 4         | +     |         | <b>∤</b> } |          | 105<br>107 | Н                   | +            | ┼-           |                 | 4         |         | +-           |          |
|   |                 | 8          | ᅥ         | ╅        | +        | $\dashv$  |         | +            | $\vdash$                   |       |              | 58        | +        | +         | H               | $\dashv$    | ╅         | +     | +       | ┧┝         |          | 108        | $\vdash$            | +            | +            | -               | +         | +       | +            |          |
|   |                 | 9          |           |          |          |           |         |              |                            | }     |              | 59        |          |           | 口               | $\Box$      | ユ         |       |         | 1 t        |          | 109        |                     |              |              |                 | $\perp$   |         |              | j        |
|   |                 | 10         | -         | -        | +        | $\dashv$  | -       | ╀            | $\vdash$                   |       |              | 60<br>61  | 4        | +         | $\sqcup$        |             | 4         | 4     | +-      | ┨┞         | _        | 110        | $\sqcup$            |              | $\perp$      |                 | $\dashv$  | 4       | _            |          |
|   |                 | 12         | -         | ╅        | ╁┤       | -         |         | ╁╴           | +                          |       |              | 62        | +        | ╫         | Н               | $\dashv$    | +         | +     | ╁       | ┧┟         | -        | 111        | Н                   | +            | ┿            | $\dashv$        | +         | +       | +            |          |
|   |                 | 13         |           |          |          |           |         |              |                            |       |              | 63        |          | 上         |                 | 1           |           |       |         | 1 t        |          | 113        |                     |              |              |                 | $\exists$ |         |              | ļ        |
|   |                 | 14         | Ţ         | 4        | Н        | Н         | +       | +            | ┦                          |       |              | 64<br>65  | 4        | ╀         | Н               |             | 1         | +     | 4       | ] [        |          | 114        | Ш                   | $\perp$      | $\perp$      |                 | 1         | $\perp$ |              |          |
|   |                 | 16         | ╗         |          | ╁┤       | $\dashv$  | +       | ╁            | $\vdash$                   |       |              | 66        | +        | ╁         | H               | +           | +         | +     | +       | ┨╏         | $\dashv$ | 115<br>116 | H                   | $\dashv$     | ╁╌           | H               | +         | +       | +            |          |
|   |                 | 17         | 1         |          |          |           |         |              |                            |       |              | 67        |          | 土         |                 |             |           |       |         | 1 [        |          | 117        |                     |              |              |                 | 士         |         |              |          |
|   |                 | 18<br>19   | 4         | +        | +        |           |         | ╀            | -                          |       |              | 68        | _        | +         | Н               |             | +         | +     | -       | 1          |          | 118        |                     | $\perp$      | -            |                 | 4         | _       |              |          |
|   |                 | 20         | +         | ╅        | +        | $\neg$    | +       | ╁            | +-                         |       | -            | 69<br>70  | +        | ╁         | Н               | +           | +         | +     | +-      | ┨╏         |          | 119<br>120 | $\vdash$            | +            | ╫            | -               | $\dashv$  | +       | +            |          |
|   |                 | 21         |           |          |          |           | 士       |              |                            |       |              | 71        |          | 上         |                 |             | コ         |       |         | ] [        |          | 121        |                     |              |              |                 |           |         |              |          |
|   |                 | 22         | ╗         | - -      | $\perp$  | -         | _       | ╀            | $\perp$                    |       |              | 72        | $\perp$  | ╀-        |                 | 1           | -         | 1     | _       |            |          | 122        | Ш                   | $\perp$      |              |                 | 4         |         |              |          |
|   | -               | 23<br>24   | +         | $\dashv$ | Н        | $\dashv$  | +       | ╁            | +                          |       | -            | 73<br>74  | +        | ╁         | ╢               | $\dashv$    | +         | ╁     | +-      | ┪┟         | -        | 123<br>124 | ┢┤                  | +            | +            | -               | $\dashv$  | +       | +            |          |
|   |                 | 25         |           |          |          |           |         | İ            |                            |       |              | 75        |          |           |                 |             | $\pm$     | $\pm$ |         | j t        |          | 125        |                     |              | $\perp$      |                 |           |         |              |          |
|   |                 | 26         | _         | $\Box$   | $\Box$   | $\neg$    | $\perp$ | L            |                            |       |              | 76        |          | $\bot$    | П               | $\dashv$    | _         | 4     | $\perp$ | ] [        |          | 126        |                     | $\perp$      | $\perp$      |                 | $\Box$    | $\Box$  | $oxed{\Box}$ |          |
|   |                 | 27<br>28   | ┧         | +        | ╁╌┤      |           | +       | ╫            | $\vdash$                   |       | <del> </del> | 77<br>78  |          | ╂╌        | H               | $\dashv$    | +         | +     | +-      | ┨┠         | $\dashv$ | 127<br>128 | H                   | +            | +            | $\dashv$        | +         |         | +            | 1        |
|   |                 | 29         |           | 士        |          |           |         | T            |                            |       |              | 79        |          |           |                 |             | Ť         |       | +       | 1 6        |          | 129        | $\Box$              | $\top$       |              |                 | $\pm$     | $\pm$   | +            |          |
|   | $\Box$          | 30         | $\dashv$  | $\bot$   | $\Box$   | $\exists$ |         | F            | $\Box$                     |       |              | 80        | $\bot$   | $\perp$   | П               | $\dashv$    | Ţ         | T     | $\bot$  | 1 [        | $\Box$   | 130        | П                   | $\perp$      | $\Box$       | П               | 1         | $\bot$  | oxdapprox    | ł        |
|   |                 | 31<br>32   | +         | +        | +        | $\dashv$  | +       | ╁╾           | H                          |       | $\vdash$     | 81<br>82  |          | +-        | ┥               | +           | +         | +     | - -     | ┨╏         |          | 131<br>132 | $\vdash \vdash$     | - -          | ╁            | $\vdash \vdash$ | +         | +       | +-           | {        |
|   |                 | 33         | 1         | 十        | П        | $\dashv$  | 十       | t            | $\vdash$                   |       |              | 83        | $\top$   | $\dagger$ | $\vdash$        | 十           | $\dagger$ | +     | +-      | 1          | $\neg$   | 133        | Н                   | +            | $\top$       | H               | 7         | +       | +            |          |
|   |                 | 34         | $\Box$    | $\Box$   | П        | $\Box$    |         | L            |                            |       |              | 84        | $\Box$   | $\bot$    |                 | $\exists$   | $\Box$    | 1     | $\perp$ | ] [        |          | 134        | $\Box$              | $\Box$       | $\Box$       |                 | $\Box$    |         |              | [        |
|   |                 | 35<br>36   | 4         | +        | +        |           |         | ╀            | $\vdash$                   |       |              | 85<br>86  | +        | ╀         | -1              | -           | +         | +     | +       | ┨┠         |          | 135<br>136 | ├┤                  |              | +            | -               | +         | +       | ╀            | {        |
|   |                 | 37         | 7         | +        | H        | $\dashv$  |         | ╁            | ╀╌                         |       |              | 87        | +        | +         | H               | $\dashv$    | +         | +     | +       | 1          | $\dashv$ | 137        | Н                   | +            | $\vdash$     | $\vdash$        | +         | +       | +            |          |
|   |                 | 38         | $\Box$    |          |          | $\Box$    |         |              |                            |       |              | 88        | $\perp$  |           |                 |             |           | 1     |         |            |          | 138        |                     |              |              |                 | 1         |         |              | J        |
|   |                 | 39         | 4         |          | $\dashv$ | -         |         | ┼-           | <del> </del>               |       |              | 89        | 4        | ╀-        |                 | $\dashv$    | +         | 4     | +       | ┨┞         |          | 139        | Н                   | +            | $\downarrow$ | $\vdash \vdash$ | 4         | 4-      | ╀            | <u> </u> |
|   |                 | 40         | +         | +        | ╂┤       | $\dashv$  | -       | ╁╴           | $\vdash$                   |       |              | 90<br>91  | +        | +         | $\vdash$        | -           | +         | +     | +       | 1 }        |          | 140<br>141 | $\vdash \vdash$     | +            | 1            | ├─┼             | +         | +       | +            |          |
|   |                 | 42         |           | 土        |          |           | 土       | İ            |                            |       |              | 92        | 土        | 上         | 口               |             |           | 士     | 士       | 1 L        |          | 142        | 世                   |              |              |                 |           | 1       | 上            | j        |
|   |                 | 43         | 1         | 工        | $\Box$   | $\exists$ | $\bot$  | F            | $\Box$                     |       |              | 93        | T        | $\perp$   | П               | $\dashv$    | Ţ         | 4     | $\bot$  | Į [        | 二        | 143        | П                   | $\bot$       | $\Box$       | ert ert         | 4         | $\bot$  | 1            |          |
|   |                 | 44<br>45   | +         | -        | ╂┤       | $\dashv$  | +       | +            | $\vdash$                   |       | <u> </u>     | 94<br>95  | $\dashv$ | +-        | $\vdash \vdash$ | +           | +         | +     | +       | ┨┞         | $\dashv$ | 144        | $\vdash \vdash$     |              | -            | $\vdash \vdash$ | +         | +       | -            |          |
|   |                 | 46         | $\dashv$  | +        | † †      | +         | +       | +            | $\vdash$                   |       | _            | 96        | +        | t         | $\vdash \vdash$ | $\dashv$    | +         | +     | 十       | 1          | -        | 146        |                     | +            | +            | $\vdash$        | $\dashv$  | +       | $\top$       |          |
|   |                 | 47         | コ         | 工        | $\Box$   |           | 工       |              |                            |       |              | 97        |          |           |                 |             | 1         | 1     | 1       | ] [        |          | 147        |                     |              | $\Box$       |                 | $\Box$    |         |              |          |
|   |                 | 48         | 4         |          | +        | $\dashv$  | _       | 1            | $\Box$                     |       | _            | 98        |          |           |                 | 4           | 4         | 4     |         | F          |          | 148        | $\vdash \downarrow$ | 4            | +            |                 | 4         | -       | +            |          |
|   |                 | 49<br>50   | $\dashv$  |          | ╅┥       | $\dashv$  | +       | +            | $\vdash$                   |       |              | 99<br>100 | +        | +         | $\vdash \vdash$ | +           | +         | +     | ╁       | ┪┝         | -        | 149        | $\vdash \vdash$     | +-           | ╁┤           | $\vdash$        | +         | +       | +-           |          |
|   |                 | 1          | _         |          |          |           |         |              | لب                         | 1     | _            |           |          |           |                 |             |           |       |         | , L        | 1        |            |                     |              |              |                 |           |         |              | 1        |